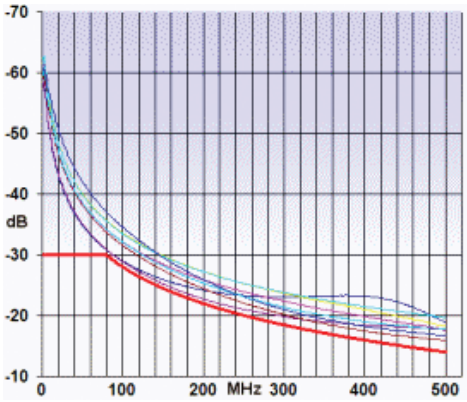
DataLink 500A

Augmented Category 6 Shielded Tool-Less RJ-45 Keystone Jacks

Transmission and Electrical Specifications

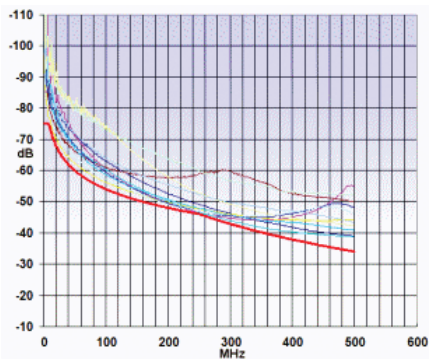
FREQ.	Insertion Loss	NEXT	FEXT	RL	TCL	ELTCTL	PSANEXT	PSAFEXT
MHz	dB	dB	dB	dB	dB	dB	dB	dB
	Max	Min	Min	Min	Min	Min	Min	Min
1.00	0.10	75.0	75.0	30.0	40.0	40.0	67.0	67.0
4.00	0.10	75.0	71.1	30.0	40.0	40.0	67.0	67.0
8.00	0.10	75.0	65.0	30.0	40.0	40.0	67.0	67.0
10.00	0.10	74.0	63.1	30.0	40.0	40.0	67.0	67.0
16.00	0.10	69.9	59.0	30.0	40.0	40.0	67.0	67.0
25.00	0.10	66.0	55.1	30.0	40.0	40.0	67.0	67.0
31.25	0.10	64.1	53.2	30.0	38.1	38.1	67.0	67.0
62.50	0.16	58.1	47.2	30.0	32.1	32.1	67.0	67.0
100.00	0.20	54.0	43.1	28.0	28.0	28.0	67.0	67.0
200.00	0.28	48.0	37.1	22.0	22.0	22.0	64.5	61.0
250.00	0.32	46.0	35.1	20.0	20.0	20.0	62.5	59.0
300.00	0.35	42.9	33.6	18.5	18.5	18.5	61.0	57.5
400.00	0.40	37.9	31.1	16.0	16.0	16.0	58.5	55.0
500.00	0.45	34.0	29.1	14.0	14.0	14.0	56.5	53.0

Typical De-Embedded Return-Loss

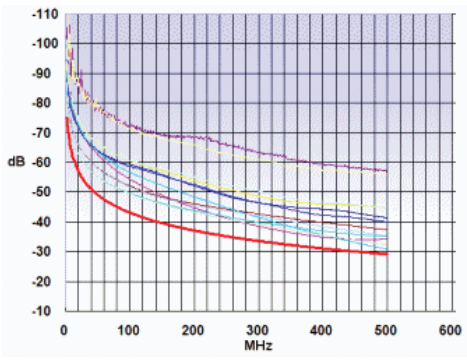


Propagation Delay	2.5 nS max @ 1-250 MHz
Propagation Delay Skew	1.25 nS max @ 1-250 MHz
Current rating	1.5 A max.
Contact resistance	20 mOhm max (per contact)
Input/Output resistance	200 mOhm max
Input/Output resistance Unbalance	50 mOhm max
Voltage rating	72 Vdc max
Dielectric strength	1000 Volts rms for 1 minute
Insulation Resistance	500 MegaOhm min @ 500 Vdc
DC Resistance	0.1 Ohm max @ 20C
Coupling attenuation	35-20Log(f/100) dB@ 100-1000 MHz

Typical NEXT - Loss at the component - level



Typical FEXT - Loss at the component - level



Ordering Information

HCS P/N	Description	Blocks	T568
J6A-00824	8P8C RJ-45 Shielded Category 6A Tool-less 180° Keystone Jack	110 IDC	B
J6A-00825	8P8C RJ-45 Shielded Category 6A Tool-less 180° Keystone Jack	110 IDC	A
J6A-00826	8P8C RJ-45 Shielded Category 6A Tool-less 180° Keystone Jack	110 IDC	UNI

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HES Cabling Systems